

METHOD FOR OBTAINING BIOMETRIC DATA FOR AN INDIVIDUAL
IN A SECURE TRANSACTION

ABSTRACT OF THE DISCLOSURE

Methods for obtaining biometric identification data for an individual using a sensor and a processor coupled to the sensor are presented. In an embodiment, the present invention involves placing a portion of a biological object such as a finger, thumb, palm or foot of the individual proximate to piezo ceramic elements of the sensor and generating an output signal with the sensor that is representative of at least one feature of the biological object. The output signal is processed using the processor to produce biological data useful for identifying the individual. In an embodiment of the present invention, the sensor includes at least fifty thousand piezo ceramic elements arranged in an array. These piezo ceramic elements are spaced on a pitch equal to or less than approximately two hundred microns. A multiplexer couples the output of the sensor to the processor.